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PUBLIC SERVICE
FLORENCE UTILITY COMMISSION

501 SPRING STREET * P.O. Box 109
FLORENCE, WI 54121
Phone: (715) 528-3330 * (715) 696-3330
Fax: (715) 528-5281

January 21, 2003

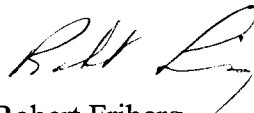
Mr. Scot Cullen, Chief Electric Engineer
Public Service Commission
610 N. Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

RE: In the Matter of Filing Reporting Requirements for Appropriate Inspection and
Maintenance, PSC Rule 113.0607(6)

Dear Mr. Cullen:

Enclosed for filing are 3 copies of The Florence Utility Commission's report to the
commission, submitted every two years, showing compliance with its Preventative Maintenance
Plan.

Respectfully Submitted,



Robert Friberg
General Manager

Enclosures

RECEIVED

JAN 21 2003

Electric Division

TWO YEAR REPORT DOCUMENTING COMPLIANCE WITH THE PREVENTATIVE MAINTENANCE PLAN

Florence Utility Commission

**FILING DEADLINE
FEBRUARY 1, 2003**

January 21, 2003

Robert Friberg

P.O. Box 109

Florence, WI. 54121

(715) 528-3330

rfriberg@wppisys.org

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JAN 21 2003

Electric Division

This report format was prepared by the MEUW work group for PSC Rule 113.0607 for use by the 82 municipal electric utilities in Wisconsin and endorsed by PSC staff as meeting the requirements of Rule PSC 113.0607.

I Reporting Requirements: PSC 113.0607(6) states;

Each utility shall provide a periodic report to the commission showing compliance with its Preventative Maintenance Plan. The report shall include a list of inspected circuits and facilities, the condition of facilities according to established rating criteria, schedules established and success at meeting the established schedules.

II Inspection Schedule and Methods:

SCHEDULE:	MONTHLY	ANNUAL	EVERY 5 YEARS
Transmission (69Kv)		X	X
Substations	X	X	
Distribution (OH & UG)			X

METHODS: Five criteria groups will be used to complete the inspection of all facilities.

1. IR – infrared thermography used to find poor electrical connections and/or oil flow problems in equipment.
2. RFI - Radio Frequency Interference, a byproduct of loose hardware and connections, is checked using an AM radio receiver.
3. SI – structural integrity of all supporting hardware including poles, crossarms, insulators, structures, bases, foundations, buildings, etc.
4. Clearance – refers to proper spacing of conductors from other objects, trees and conductors.
5. EC – equipment condition on non-structural components such as circuit breakers, transformers, regulators, reclosers, relays, batteries, capacitors, etc.

Distribution facilities will be inspected by substation circuits on a 5-year cycle such that the entire system will be inspected every 5 years. Inspector instructions for inspecting all facilities and forms are included in the plan.

III Condition Rating Criteria

This criterion, as listed below, establishes the condition of a facility and also determines the repair schedule to correct deficiencies.

- 0) Good condition
- 1) Good condition but aging
- 2) Non-critical maintenance required – normally repair within 12 months
- 3) Priority maintenance required – normally repair within 90 days
- 4) Urgent maintenance required – report immediately to the utility and repair normally within 1 week

IV Corrective Action Schedule

The rating criteria as listed above determine the corrective action schedule.

V Record Keeping

All inspection forms and records will be retained for a minimum of 10 years. The inspection form contains all of the required critical information i.e. inspection dates, condition rating, schedule for repair and date of repair completion.

VI Reporting Requirements

A report and summary of this plan's progress will be submitted every two years with the first report due to the Commission by February 1, 2003. The report will consist of a cover letter documenting the percent of inspections achieved compared to the schedule and the percent of maintenance achieved within the scheduled time allowance.

VII Inspected Circuits and Facilities

Circuit # and description	Substation
NS Feeder	US – 2 West
SS Feeder	US – 2 West
KL Feeder	US – 2 West

Base load and peaking generation, less than 50 megawatts per unit in size, is typically subject to pre-operational checks, in addition to checks and maintenance during and after periods of operation. Emergency generation is test run and maintained every *90 Days* to confirm its operational readiness.

VIII Scheduling Goals Established and Success of Meeting the Criteria:

Instead of inspecting a straight percentage of circuits on an annual basis, Florence chose to inspect 100% of its underground facilities during the past two years. In addition, Florence does an IR inspection on an annual basis on all critical points of the system, both overhead and underground. Also, Florence completed a system-wide directional RFI inspection of all facilities this past year.

During this inspection, Florence and CCI personnel found no class 4 conditions on the underground facilities. Class 2 and 3 items, such as defaced or missing signs, nonfunctional locks or bolts, loose or missing bushing caps, transformer leveling required or removal of

landscape fill or shrubbery was done as the inspection proceeded or immediately after. In all instances, necessary work was completed within 4 weeks of completion of the inspection.

IX Facility condition – rating criteria:

Overall, Florence's electric system is in good condition. Inspections have been done and items found to require attention have been addressed. Florence has experienced a few significant storms this year, interrupting power to a number of customers. Being a largely rural utility, a majority of the outages were caused by large trees with shallow root systems being uprooted by high winds. The only system wide outage, lasting roughly 1 hour was caused by a transmission line fault on the ATC system. Most of Florence's distribution system is less than 30 years old and is in good condition.

From: Kate Kampka
To: Bill Daley; Bill McCorkle; Bruce Folbrecht; Bruce Gomm ; Carl Verhagen; Chuck Grady; Craig Wood; Dan Jarocki; Darnell Wagner; Dave Dresen; Ed Straus; Eric Miller; Eugene Weihert; Gary Fromm; James Haggerty; James Peterson; Jason Bieri; Jim LeCloux; Jim Ulman; John Murphy; John Skurupey; Lee Elver; Lon Bushey; Lonnie L. Pichler; Mark Biddle; Marv Dolphin; Michael Kumm; Mike Reynolds; Patrick Drone; Patrick Weber; Randy Posthuma; Reedsburg Utility Commission; Richard Kirchoff; Richard Riederer; Robert Friberg; Robert Kardasz; Scott Adler; Sean O. Grady; Steve Bell; Ted Whitcomb; Todd Tessmann; Tom Bushman
Date: 1/21/03 9:17AM
Subject: Member Meeting Room Change

This email is a confirmation of your registration at the WPPI Member Meeting in Green Bay, tomorrow, January 22, at 7:15 A.M.

There has been a room change - we will now be meeting in Ballroom A1-2.
See you there!

Kate Kampka
Administrative Asst.
Wisconsin Public Power Inc.
www.wppisys.org
608.834.4500
FAX 608.837.0274

CC: Bill Miller; Doug Brown; Jeff Stein; Jim Maple; Linda Crahen; Peter Roth; Rob Nolte; rzell@cooperpower.com; Tom Paque